BRUHAT BANGALORE MAHANAGARA PALIKE

Project Division Yelahanka Zone

Name of Work: Providing Children Play Equipments and Senior Citizen Gym Equipments and Landscape Development to Parks in Ward no. 08, Byatarayanapura of Yelahanka Zone

Measurement Sheet

2nd & Final Bill

Name of Agency: M/s. Sai Ram Construction(Prop Sri A.Sathish Gowda),

Tender Notification No. BBMP/YNK/EE(PROJECT)/TEND/18/2017-18)

SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	Unit	Rate in Rs.	Amount in Rs.
Item.No. 1	KSRRB M200-10.1. Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, including removal and disposal of top organic soil not exceeding 150 mm in thickness complete as per specifications. I. By Manual Means: A. In area of light jungle. MORTH										
							Quantity vide first RA bill	**0.10**	Ha		
							Deduct paid Quantity	**0.10**	Ha		
							Quantity to be paid	**0.00**	Ha	**58594.95**	**0.00**
Item.No. 2	Excavation in Soil with Dozer KSRRB M300-11. Excavation for road way in all types of soil by mechanical means including cutting and pushing the earth to site of embankment including trimming bottom and side slopes in accordance with requirements of lines, grades and cross sections complete as per specifications. MORTH Specification No. 301.										
	Qty Vide Pre measurement sheet page no: 1 to 4.							**884.92**	Cum		
							Quantity vide first RA bill	**23.78**	Cum		
							Total Quantity	**908.70**	Cum		
							Deduct paid Quantity	**23.78**	Cum		
							Quantity to be paid	**884.92**	Cum	**210.28**	**186081.71**
Item.No. 3	KSRRB M300-Construction of Embankment with Material Gravel/Murrum KSRRB M300-53. Construction of embankment with approved material Gravel /Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as										
	Qty Vide Pre measurement sheet page no: (5)							242.32			
							Quantity vide first RA bill	**42.80**	Cum		
							Total Quantity	**285.12**	Cum		
							Deduct paid Quantity	**42.80**	Cum		
							Quantity to be paid	**199.52**	Cum	**362.04**	**72232.77**
Item.No. 4	KSRRB M400- Wet Mix Macadam - KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.										
	Qty Vide Pre measurement sheet page no: (6)							26.21			
							Quantity vide first RA bill	**0.00**	Cum		
							Total Quantity	26.21	Cum		
							Deduct paid Quantity	**0.00**	Cum		
							Quantity to be paid	**26.21**	Cum	**1999.60**	**52417.51**
Item.No. 5	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2										
	Qty Vide Pre measurement sheet page no: 7 to 8,							68.67			
							Quantity vide first RA bill	**13.78**	Cum		
							Total Quantity	**82.45**	Cum		
							Deduct paid Quantity	**13.78**	Cum		
							Quantity to be paid	**68.67**	Cum	**5834.56**	**400659.24**

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Item.No. 6	KSRB 14.6-1: Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS.(BCSR 2016-2017, Page 101, Item No 14.6)										
	Quantity vide first RA bill							**0.00**	Sqm		
	For Walking path										
	0.00	23.00	1	23.00			1.90	43.70			
	23.00	31.60	1	8.60			2.10	18.06			
	31.60	44.60	1	13.00			2.10	27.30			
	44.60	57.10	1	12.50			2.10	26.25			
	57.10	71.70	1	14.60			2.10	30.66			
	71.70	84.40	1	12.70			2.00	25.40			
	84.40	97.00	1	12.60			2.10	26.46			
	97.00	113.00	1	16.00			1.90	30.40			
	113.00	134.00	1	21.00			2.20	46.20			
	134.00	157.00	1	23.00			1.90	43.70			
	Total Quantity							**318.13**	Sqm		
	Quantity up to 125%							**281.75**	**Sqm**		
	Deduct paid Quantity							**0.00**	Sqm		
	Quantity to be paid up to 125%							**281.75**	**Sqm**	**1093.31**	**308040.09**
	Quantity to be paid Beyond 125%							**36.38**	**Sqm**	**1093.31**	**39774.62**
Item.No. 7	KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1 : 6 stone hammerd dressed in courses not less than 20 ems high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (BCSR 2016-2017, Page 23, Item No 5.5)										
	Qty Vide Pre measurement sheet page no: 9 to 10.							**60.60**			
	Quantity vide first RA bill							**0.00**	Cum		
	Total Quantity							60.60	Cum		
	Deduct paid Quantity							**0.00**	Cum		
	Quantity to be paid							**60.60**	Cum	**5019.38**	**323087.45**
Item.No. 8	KSRB 4-1 .6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement@ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.(BCSR 2016-2017, Page 12, Item No 4.6)										
	Qty Vide Pre measurement sheet page no: 11 to 13							**159.27**			
	Quantity vide first RA bill							**0.49**	Cum		
	Total Quantity							**159.76**	Cum		
	Quantity up to 125%							**76.75**	**Cum**		
	Deduct paid Quantity							**0.49**	Cum		
	Quantity to be paid up to 125%							**76.26**	**Cum**	**6522.67**	**497418.81**
	Quantity to be paid Beyond 125%							**83.01**	Cum	**6522.67**	**541472.93**

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Item No:9	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification (BCSR 2016-2017, Page 109, Item No 14.62)										
Premeasurement recorded on:											
	For Gym plotform										
			1	9.65	7.30	5.10	6.20	59.83			
			1	8.50	4.60	3.70	4.15	35.28			
	For Chairs plotform										
			5	2.10			1.90	19.95			
	For Gajeeba plotform										
			2	(3.142*6.5*6.5)/4=33.19				66.38			
	For Damaged in Gym plotform										
			1	2.30			1.70	3.91			
							Total Quantity	**185.35**	**Sqm**		
					Deduct paid qty vide 1st RA bill			**95.11**			
							Quantity carried to Bill	**90.24**	**Sqm**	**1300.70**	**117368.66**

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Item No:10	KSRRB M2200-8.1. Back filling behind abutment, wing wall and return wall complete as per drawing and Technical Specification complete as per specifications. A. Granular material MORTH Specification No. 2204 (BCSR 2016-2017, Page 225, Item No 28.11)										
	Not Executed										
Item No:11	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint (BCSR 2016-2017, Page 262, Item No 37.3)										
	Quantity vide First RA Bill								**83.85**	**Sqm**	
	Cqal park										
	224.50	249.50	1	25.00				1.50	37.50		
	249.50	252.20	1	2.70				1.50	4.05		
	252.20	266.70	1	14.50				1.50	21.75		
	266.70	272.30	1	5.60				1.50	8.40		
	272.30	285.60	1	13.30				1.50	19.95		

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SLNO	CHAINAGE Land Mark		NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	Unit	Rate in Rs.	Amount in Rs.
	Rise Fencing - Childrens park											
	0.00	14.30	1	14.30				1.10	15.73			
	14.30	18.50	1	4.20						Gate		
	18.50	21.00	1	2.50				1.10	2.75			
	21.00	51.00	1	30.00				1.10	33.00			
	51.00	81.00	1	30.00				1.10	33.00			
	81.00	111.00	1	30.00				1.10	33.00			
	111.00	141.00	1	30.00				1.10	33.00			
	141.00	171.00	1	30.00				1.10	33.00			
	171.00	201.00	1	30.00				1.10	33.00			
	201.00	208.30	1	7.30				1.10	8.03			
	208.30	215.80	1	7.50				1.10	8.25			
	215.80	219.30	1	3.50						Gate		
	219.30	224.50	1	5.20				1.10	5.72			
	224.50	249.50	1	25.00				1.10	27.50			
	249.50	252.20	1	2.70				1.10	2.97			
	252.20	266.70	1	14.50				1.10	15.95			
	266.70	272.30	1	5.60				1.10	6.16			
	272.30	285.60	1	13.30				1.10	14.63			
	285.60	290.10	1	4.50				1.10	4.95			
	290.10	294.10	1	4.00				1.10	4.40			
	294.10	299.10	1	5.00				1.10	5.50			
	299.10	302.70	1	3.60				1.10	3.96			
	302.70	332.70	1	30.00				1.10	33.00			
	332.70	362.70	1	30.00				1.10	33.00			
	362.70	376.10	1	13.40				1.10	14.74			
	376.10	390.90	1	14.80				1.10	16.28			
	390.90	396.90	1	6.00				1.10	6.60			
	Sahakarinagar park											
	Damaged Chainlink fencing											
			1	28.00				1.50	42.00			
			1	25.00				1.50	37.50			
			1	30.00				1.50	45.00			
			1	12.60				1.50	18.90			
			1	22.30				1.50	33.45			
			1	30.00				1.50	45.00			
			1	30.00				1.50	45.00			
			1	24.00				1.50	36.00			
			1	18.50				1.50	27.75			
								Total Quantity	**934.01**	**Sqm**		
					Deduct paid qty vide 1st RA bill				**83.85**			
								Quantity Carried to Bill	**850.16**	**Sqm**	**790.01**	**671634.90**

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Item No:12	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1 :2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 ems. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer-in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) (BCSR 2016-2017, Page 262, Item No 37.2)										
	CQAL Park										
			28				2.00	56.00			
	Rise Fencing - Childrens park										
	0.00	396.90	197				1.10	216.70			
	Sahakarinagar park										
	Chainlink fencing										
			19				2.70	51.30			
			29				2.40	69.60			
							Total Quantity	393.38	Rmtr		
							Deduct paid qty vide 1st RA bill	2.55	Rmtr		
							Quantity carried to Bill	390.83	Rmtr	981.82	383724.71

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SLNO	CHAINAGE / Land Mark		NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	Unit	Rate in Rs.	Amount in Rs.
Item No:13	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint (BCSR 2016-2017, Page 262, Item No 37.4)											
	Quantity vide First RA Bill								**110.70**	**Rmt**		
	Cqal park											
	Rise Fencing - Childrens park											
	0.00	14.30	1	14.30					14.30			
	14.30	18.50	1	4.20					4.20			
	18.50	21.00	1	2.50					2.50			
	21.00	51.00	2	30.00					60.00			
	51.00	81.00	2	30.00					60.00			
	81.00	111.00	2	30.00					60.00			
	111.00	141.00	2	30.00					60.00			
	141.00	171.00	2	30.00					60.00			
	171.00	201.00	1	30.00								
	201.00	208.30	1	7.30					7.30			
	208.30	208.30	1	0.00					0.00			
	208.30	215.80	1	7.50					7.50			
	215.80	219.30	1	3.50						Gate		
	219.30	224.50	2	5.20					10.40			
	224.50	254.50	2	30.00					60.00			
	254.50	284.50	2	30.00					60.00			
	284.50	302.70	2	18.20					36.40			
	266.70	272.30	2	5.60								
	302.70	332.70	2	30.00					60.00			
	332.70	362.70	2	30.00					60.00			
	362.70	376.10	2	13.40					26.80			
	376.10	390.90	1	14.80					14.80			
	390.90	396.90	1	6.00					6.00			
	Sahakarinagar park											
	Damaged Chainlink fencing											
			2	28.00					56.00			
			2	20.00					40.00			
			2	30.00					60.00			
			2	28.00					56.00			
	Deduction		-199	0.10					-19.90			
								Total Quantity	**973.00**	**Rmtr**		
					Deduct paid qty vide 1st RA bill				**110.70**	**Rmtr**		
					Quantity Limited & Carried to Bill				**862.30**	**Rmtr**	**388.41**	**334925.94**

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Item No:14	Fabricating, providing and erecting in position Hot dip galvanised Gate. Using 72 X 72 X 4.8mm Sq. GI Pipe Frame with Top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanised sq. rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged ornamental design in between sq. rods and heads at top, middle and bottom. Intermediate supports of 75X12 mm and 50X6 mm arch bend to hot dip galvanised flats. The work is inclusive of throughing GI flat GI sq. rods, placing, welding all the joints including grinding, finishing metal putty, painting two coats enamel painting. The rate is inclusive of all materials like GI sq. pipe, GI sq. rods, GI forged designs etc., heavy duty hinges are made out of 75mm solid sq. block assembled with 20mm dia bearing in three places for each flop. Heavy Duty Locking arrangements at tow places including cost of labour, painting, erecting charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the Engineer-in-charge of the work. (Data Rate)										
	Gates										
			1	2.20	1.40	1.90	1.65	3.63			
			1	3.50	2.30	2.10	2.20	7.70			
							Total Quantity	**11.33**	**Sqm**		
					Deduct paid qty vide 1st RA bill			**11.33**			
							Quantity carried to Bill	**0.00**	**Sqm**	**13847.28**	**0.00**

Item No:15	Fabricating, providing and erecting in poiston of M S Ornamental security Grill without hot dip using 75 x 12mm M S Flat for alround frame work with verticals at the centre and horizontal centere support M S Square of 20 x20 mm of different heights as shown in the drawing are to be fixed at 16 cms C/C for suqare bars of full height and at 8cms C / C for bottom rods providg ornamental C I Designers at thebotom and C I arrows inthe midle and top. The entire frame work is to be fixed by means of expansion bolts to the brick pillars with necesary drillling holes. the work includes providng two coats of enamel painting over one coatr of red lead ready mix primer coat etc complete cost of all labour, painting, erection charges using hoist pulleycranes etc as per specification and drawings. (BCSR 2016-2017, Page 41, Item No 7.33)		
	Not Executed		

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SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	Unit	Rate in Rs.	Amount in Rs.
Item.No. 16	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 (BCSR 2016-2017, Page 25, Item No 5.26.1)										
	Qty Vide Pre measurement sheet page no: 14							81.36			
								Quantity vide first RA bill	**3.59**	**Sqm**		
								Total Quantity	**84.95**	**Sqm**		
								Quantity up to 125%	**4.50**	**Sqm**		
								Deduct paid Quantity	**3.59**	Sqm		
								Quantity to be paid up to 125%	**0.91**	**Sqm**	**1123.28**	**1022.18**
								Quantity to be paid Beyond 125%	**80.45**	Sqm	**1123.28**	**90367.88**
Item.No. 17	KSRB15-3.7 : Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.										
	Qty Vide Pre measurement sheet page no: 15							78.96			
								Quantity vide first RA bill	**0.00**	**Sqm**		
								Total Quantity	78.96	**Sqm**		
								Quantity up to 125%	**9.00**	**Sqm**		
								Deduct paid Quantity	**0.00**	Sqm		
								Quantity to be paid up to 125%	**9.00**	**Sqm**	**292.51**	**2632.59**
								Quantity to be paid Beyond 125%	**69.96**	Sqm	**292.51**	**20464.00**
Item.No. 18	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete (BCSR 2016-2017, Page 25, Item No 5.30)										
								Quantity vide first RA bill	131.00	**No's**		
	CQAL layout park											
	Kerbs at Walking path											
	For Walking path											
	0.00	23.00	2	23.00					46.00			
	23.00	31.60	2	8.60					17.20			
	31.60	44.60	2	13.00					26.00			
	44.60	57.10	2	12.50					25.00			
	57.10	71.70	2	14.60					29.20			
	71.70	84.40	2	12.70					25.40			
	84.40	97.00	2	12.60					25.20			
	97.00	113.00	2	16.00					32.00			
	113.00	134.00	2	21.00					42.00			
	134.00	157.00	2	23.00					46.00			

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	For Surrounding Drain											
	208.30	215.80	1	7.50					7.50			
	215.80	219.30	1	3.50					3.50			
	219.30	224.50	1	5.20								
	224.50	249.50	1	25.00					25.00			
	249.50	252.20	1	2.70								
	252.20	266.70	1	15.00					15.00			
	266.70	272.30	1	5.60								
	272.30	285.60	1	13.50					13.50			
	285.60	290.10	1	4.50								
	290.10	294.10	1	4.00								
	294.10	299.10	1	5.00					5.00			
	299.10	302.70	1	3.60								
	302.70	332.70	1	30.00					30.00			
	332.70	362.70	1	30.00					30.00			
	362.70	389.70	1	27.00					27.00			
	389.70	411.70	1	21.30					21.30			
	For Children play Equipment Surrounding											
			1	9.50					9.50			
			1	10.00					10.00			
					Total length				476.30			
					No of Kerbs= /0.45				**1057**			
								Total Quantity	**1188.0**	**No's**		
								Quantity up to 125%	**745.00**	**No's**		
								Deduct paid Quantity	**0.00**	**No's**		
								Quantity to be paid up to 125%	**745.00**	**No's**	**375.22**	**279538.90**
								Quantity to be paid Beyond 125%	**443.00**	**No's**	**375.22**	**166222.46**
Item.No. 19	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8. (BCSR 2016-2017, Page 182, Item No 24.2)											
	CQAL layout park											
	Kerbs at Walking path											
	0.00	23.00	2	23.00				0.30	13.80			
	23.00	31.60	2	8.60				0.30	5.16			
	31.60	44.60	2	13.00				0.30	7.80			
	44.60	57.10	2	12.50				0.30	7.50			
	57.10	71.70	2	14.60				0.30	8.76			
	71.70	84.40	2	12.70				0.30	7.62			
	84.40	97.00	2	12.60				0.30	7.56			
	97.00	113.00	2	16.00				0.30	9.60			
	113.00	134.00	2	21.00				0.30	12.60			
	134.00	157.00	2	23.00				0.30	13.80			

Hundred JE 31/12/2020

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92
31/12/2020

SLNO	CHAINAGE		NO	L	B1	B2	Avg B	Avg D	QTY	Unit	Rate in Rs.	Amount in Rs.
	Land Mark			(m)	(m)	(m)	(m)	(m)				
	For Surrounding Drain											
	208.30	215.80	1	7.50				0.30	2.25			
	215.80	219.30	1	3.50				0.30	1.05			
	219.30	224.50	1	5.20				0.30	1.56			
	224.50	249.50	1	25.00				0.30	7.50			
	249.50	252.20	1	2.70				0.30	0.81			
	252.20	266.70	1	15.00				0.30	4.50			
	266.70	272.30	1	5.60				0.30	1.68			
	272.30	285.60	1	13.50				0.30	4.05			
	285.60	290.10	1	4.50				0.30	1.35			
	290.10	294.10	1	4.00				0.30	1.20			
	294.10	299.10	1	5.00				0.30	1.50			
	299.10	302.70	1	3.60				0.30	1.08			
	302.70	332.70	1	30.00				0.30	9.00			
	332.70	362.70	1	30.00				0.30	9.00			
	362.70	389.70	1	27.00				0.30	8.10			
	389.70	411.70	1	21.30				0.30	6.39			
	For Children play Equipment Surrounding											
			1	9.50				0.30	2.85			
			1	10.00				0.30	3.00			
	Painting for Kerbs Inside Park Surrounding											
	0.00	14.30	1	14.30				0.30	4.29			
	18.50	21.00	1	2.50				0.30	0.75			
	21.00	51.00	1	30.00				0.30	9.00			
	51.00	81.00	1	30.00				0.30	9.00			
	81.00	111.00	1	30.00				0.30	9.00			
	111.00	141.00	1	30.00				0.30	9.00			
	141.00	171.00	1	30.00				0.30	9.00			
	171.00	201.00	1	30.00				0.30	9.00			
	201.00	208.30	1	7.30				0.30	2.19			
	208.30	215.80	1	7.50				0.30	2.25			
	219.30	224.50	1	5.20				0.30	1.56			
	224.50	249.50	1	25.00				0.30	7.50			
	252.20	266.70	1	14.50				0.30	4.35			
	266.70	272.30	1	5.60				0.30	1.68			
	272.30	285.60	1	13.30				0.30	3.99			
	285.60	290.10	1	4.50				0.30	1.35			
	290.10	294.10	1	4.00				0.30	1.20			
	294.10	299.10	1	5.00				0.30	1.50			
	299.10	302.70	1	3.60				0.30	1.08			
								Total Quantity	**248.76**	**Sqm**		
								Quantity up to 125%	**126.25**	**Sqm**		
								Deduct paid Quantity	**0.00**	**Sqm**		
								Quantity to be paid up to 125%	**126.25**	**Sqm**	**71.93**	**9081.16**
								Quantity to be paid Beyond 125%	**122.51**	**Sqm**	**71.93**	**8812.14**

Kiranakumar JC
31/12/2020

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92
31/12/2020

SLNO	CHAINAGE Land Mark		NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	Unit	Rate in Rs.	Amount in Rs.
Item.No. 20	Providing and applying Enamel Metal Painting two coats (excluding priming coat) over new steel or other metal surfaces brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, with materials, labour complete as per specifications.											
	CQAL layout park											
	Painting for Existed Fencing											
	0.00	14.30	2	14.30				1.50	42.90			
	14.30	18.50	2	4.20								
	18.50	21.00	2	2.50				1.50	7.50			
	21.00	51.00	2	30.00				1.50	90.00			
	51.00	81.00	2	30.00				1.50	90.00			
	81.00	111.00	2	30.00				1.50	90.00			
	111.00	141.00	2	30.00				1.50	90.00			
	141.00	171.00	2	30.00				1.50	90.00			
	171.00	201.00	2	30.00				1.50	90.00			
	201.00	208.30	2	7.30				1.50	21.90			
	208.30	208.30	2	0.00								
	208.30	215.80	2	7.50				1.50	22.50			
	215.80	219.30	2	3.50								
	219.30	224.50	2	5.20				1.50	15.60			
	224.50	249.50	2	25.00				1.50	75.00			
	249.50	252.20	2	2.70				1.50	8.10			
	252.20	266.70	2	14.50				1.50	43.50			
	266.70	272.30	2	5.60				1.50	16.80			
	272.30	285.60	2	13.30				1.50	39.90			
	285.60	290.10	2	4.50				1.50	13.50			
	290.10	294.10	2	4.00				1.50	12.00			
	294.10	299.10	2	5.00				1.50	15.00			
	299.10	302.70	2	3.60				1.50	10.80			
	302.70	332.70	2	30.00				1.50	90.00			
	332.70	362.70	2	30.00				1.50	90.00			
	362.70	376.10	2	13.40				1.50	40.20			
	376.10	390.90	2	14.80				1.50	44.40			
	390.90	396.90	2	6.00				1.50	18.00			
	Sahakarinagara park											
	Painting for Existed Fencing											
	0.00	0.00	2	0.00				1.80	0.00			
	0.00	4.00	2	4.00				1.20	9.60			
	4.00	8.20	2	4.20								Gap
	8.20	38.20	2	30.00				2.50	150.00			
	38.20	63.20	2	25.00				1.80	90.00			
	63.20	93.20	2	30.00				1.50	90.00			
	93.20	123.20	2	30.00				1.50	90.00			
	123.20	153.20	2	30.00				2.50	150.00			
	153.20	173.20	2	20.00				2.50	100.00			
	173.20	203.20	2	30.00				2.50	150.00			
	203.20	233.20	2	30.00				2.50	150.00			
	233.20	258.20	2	25.00				2.50	125.00			
	258.20	288.20	2	30.00				2.50	150.00			
	288.20	301.20	2	13.00				2.50	65.00			
	301.20	313.80	2	12.60				2.50	63.00			
	313.80	325.80	2	12.00				2.50	60.00			
	325.80	334.80	2	9.00				2.50	45.00			
	334.80	345.80	2	11.00				2.50	55.00			
	345.80	368.10	2	22.30				2.50	114.25			

Premdrass Jr
31/12/2020

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92
31/12/2020

SLNO	CHAINAGE Land Mark		NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	Unit	Rate in Rs.	Amount in Rs.
	368.10	398.10	2	30.00				2.50	150.00			
	398.10	428.10	2	30.00				2.50	150.00			
	428.10	452.10	2	24.00				2.50	120.00			
	452.10	455.10	2	3.00				-	-			9qp.
	455.10	464.10	2	9.00				1.80	32.40			
	464.10	494.10	2	30.00				1.50	90.00			
								Total Quantity	**2708.00**	**Sqm**		
								Quantity up to 125%	**855.00**	**Sqm**		
								Deduct paid Quantity	**0.00**	**Sqm**		
								Quantity to be paid up to 125%	**855.00**	**Sqm**	**98.30**	**84046.50**
								Quantity to be paid Beyond 125%	**1853.00**	**Sqm**	**98.30**	**182149.90**
Item.No. 21	Supply and Fixing of Pull Down Challenger. Metal: All tubular steel of 2 .5mm thickness are galvanized and zinc dipped. Joints are Robotic welded. All weld d joints are scalloped as necessary and welded to an approved MIG process.All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at II the welding points prior to finishing . All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. Allmetal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to 1507227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for th e handles. Bearings:Maintenance-free ball bearings. Scope of delivery: 1completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified internat ional certifying agency such as IPEMA,TUV,CPSC, or SGS only.The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. All products must clearly display the GS ma rk as has been issued in the EN16630 safety certificates. Size_ L x W x H): 2570 x 805 x 2685 mm. Weight: 85.4 Kg Safety Area : 6287 x 4858 mm Capacity_2 Persons.												
								Quantity vide first RA bill	**1.00**	**Unit**		
								Total Quantity	**1.00**	**Unit**		
								Deduct paid Quantity	**1.00**	**Unit**		
								Quantity to be paid	**0.00**	**Unit**	**266400.00**	**0.00**
Item.No. 22	Supply and fixing of Seated Chest Press. Metal: All tubular steel of 2.Smm thikness are galvanized and z inc dipped. Joints are Robotic welded. All welded joints t1H • scalloped as necessary and welded to an approved MIG process. All welds an• 111 csed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the w 11lt1ing points prior to finishing. All metal parts are powder coated using AKZO Nobel (11 ca t Wall powder to the thickness of 80-120 microns. All metal parts are tested in rn 1r a lt spray machine that uses a 5% NaCl solution in accordance to 1507227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handle!,,Bearings: Maintenance-free ball bearings. Scope of delivery: 1completely Prt' ,ssembled equipment modules. Maintenance: Maintain according to EN 166630 and the maintenance guide. Safety: All products must be tested and certified to mt•(•lEN16630 safety standards with GS test mark. The EN 16630,certificates must be issued by a reputed notified international certifying agency such as IPEMA, 1UV, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party.All products must clearly display the GS inark as has been issued in the EN16630 safety certificates. All products must carry n GS mark :in it.. Size_ L x W x H): 1955 x 733 x 2058 mm. Weight : 86.6 Kg Safety Arc:.1: 5545 x 4470 mm Capacity_2 Persons												
								Quantity vide first RA bill	**1.00**	**Unit**		
								Total Quantity	**1.00**	**Unit**		
								Deduct paid Quantity	**1.00**	**Unit**		
								Quantity to be paid	**0.00**	**Unit**	255300.00	**0.00**

Asst. Executive Engineer
Project Division
Yelahanka
BBMP, Bangalore - 92
31/12/2020

31/12/2020

SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	Unit	Rate in Rs.	Amount in Rs.
Item.No. 23	Supply and fixing of Self Weighted Rower. Metal: All tubular steel of 2.Smm thit.kness are galvaniied and zinc dipped. Joints are Robotic welded. All welded joiflts arc scalloped as necessary and welded to an approved MIG process. All welds arc dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our sa lt S'PI,ray machine.that uses a 5% NaCl solution in accordance to IS07227 to speed up3 c_6rrosion for 3000 hrs. Colour RAL 5019 Blue and RAL 1014 Beige Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1completely pre-assembled equipment modules. Maintain according to EN 16630 and the maintenance guide. Safety:All products must be tested and certified to meet EN16630 safety standards only by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS. The GS Mork• EN16630 Certificates must be in the name of tendering party and not any 3rd p;:11 ty All products must carry a GS mark on it.. Size_L x W x H}: 1390 x 805 x 1100 mm. Weight: 42.4 Kg Safety Area: 3790 x 3205 mm Capacity_1 Person.										
	Quantity vide first RA bill							**1.00**	**Unit**		
	Total Quantity							**1.00**	**Unit**		
	Deduct paid Quantity							**1.00**	**Unit**		
	Quantity to be paid							**0.00**	**Unit**	**183150.00**	**0.00**
Item.No. 24	Supply and fixing of Elliptical Cross Trainer. Metal: All tubular steel of 2.Smm thickness are galvanized and zinc dipped. Joints are RClbotic welded. All weldecl 1oints a re scalloped as necessary and welded to an approve(j MIG process. All welds .i re dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at .ill the welding points prior to finishing. Alt metal parts are PCl\vder coated using AKZO Nobel Great Wall powder to the thickness of 80-120 microns. All metal parts are testecJ in our salt spray machine that uses a 5% NaCl solution iri ilccordance to IS07227 to speed up corrosion for 3000 hrs. Rubber: High quality €rip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1completely.pre-assembled equipment modules. Maintenance: Maintain according to EN 1G630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards w ith GS test mark.The EN 16630 certificates must be issued by a reputed notified international certifying agl!ncy uch as IPEMA,TUV ,CPSC, or SGS only .The GS Mark-EN16630 Certificates must be in the name of tendering party and not any 3rd party. The certificates must be attached with 1 he tender document. Alt products must clearly display tt) GS mark as has been i ued in the EN16630 safety certificates. Size_L x W x H):126/ 582 x 1764 mm. Weight : 43.5 Kg Safety A rea: 4322 x 2632 mm Capacity 1Person										
	Quantity vide first RA bill							**1.00**	**Unit**		
	Total Quantity							**1.00**	**Unit**		
	Deduct paid Quantity							**1.00**	**Unit**		
	Quantity to be paid							**0.00**	**Unit**	**155400.00**	**0.00**
Item.No. 25	Supply and Fixing of Rider. Metal: All tubular steel of 2.smm thickness are galvd 1 ilzed and zinc dipped . Joints are Robotic welded. All weldect joints are scalloped as necessary and welded to an approved MIG proi;ess. .<\11 welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing.All metal parts are powder Clated using AKZO Nobel-G reat Wall powder to the thickness of 80-120 microns. All l!etal parts are tested in our sa lt spray machine that uses a 5% NaCl solution in accorcJ<ince to 1507227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubher is used for the handles. 5 Bearings : Maintenance-free ball bearings...Scope of c:1 livery: 1completely pre-assembled equipment modules. Maintenance: Maint<1in according to EN 16630 a nd the maintenance guide. Safety: Alf products must b tested and certified to meet EN16630 safety standards with GS test mark. The El\! 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV ,CPSC, or SGS only. The GS Mark-EN16630 Certificate must be in the name of tendering party and not any 3rd party. All products 'hust clearly display the GS mark as has been issued in the EN 16630 safety certificat . Size L x w x H): 910 x 655 x 1270 mm. Weight : 29.5 Kg Safety Area: 3310 x tnm C;pacity_1 Person										
	Quantity vide first RA bill							**1.00**	**Unit**		
	Total Quantity							**1.00**	**Unit**		
	Deduct paid Quantity							**1.00**	**Unit**		
	Quantity to be paid							**0.00**	**Unit**	**99900.00**	**0.00**

Measured by
31/12/2020

accepted
Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92
31/12/2020

SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	Unit	Rate in Rs.	Amount in Rs.
Item.No. 26	Supply and Fixing of Bicycle. Metal: All tubular steel of 25mm thickness are galvani zed and zinc dipped. Joints are Robotic welded. All welded joint s are S('.llloped as necessary and w eldea to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the weltling points prior to finishing.All metal parts are powder coated using AKZO Nobel GreatWall powder to the thickness of 80- 120 microns. All metal parts are tested in our salt v pray machine that uses a 5% NaCl solution in accordance to IS07227 to speed up - orrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. each 1 125000 125000 131188 131188 134500 134500 Bearings: Maintenance-free ball bearings . Scope of delivery: 1completely pre assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to mee t EN16630 safety standards only by a reputed notified international certifying acency such as IPEMA,TUV,CPSC, or SGS. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. Size_L x W x H): 1000 x 498 x 120 mm. Weight : 51.5 Kg Safety Area: 3400 x 3498 mm Capacity_ 1 Persons.										
	Quantity vide first RA bill							**1.00**	**Unit**		
	Total Quantity							**1.00**	**Unit**		
	Deduct paid Quantity							**1.00**	**Unit**		
	Quantity to be paid							**0.00**	**Unit**	**138750.00**	**0.00**
Item.No. 27	Supply and Fixing of Arm & Pedal Bike. Metal: All tubular steel of 2.Smm thickness a re galvanized and zinc dipped.Joints are Robotic welded.All welded joints are sca lloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to IS07227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles.Bearings : Maintenance-free ball bearings.Scope of delivery: 1completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide.Safety : All products must be tested anEl certified to meet EN16630 safety standards only by a reputed notified international certifying agencv such as IPEMA,TUV, CPSC, or SGS. The GS Mark-EN16630 Certificates must be in t he name of tendering party and not any 3rd party.Size_L x W x H}: 830 x 500 x 1450 mm. Weight: 32 Kg Safety Area: 3830 x 2900 mm Capacity_ 1Persons.										
	Quantity vide first RA bill							**1.00**	**Unit**		
	Total Quantity							**1.00**	**Unit**		
	Deduct paid Quantity							**1.00**	**Unit**		
	Quantity to be paid							**0.00**	**Unit**	**188700.00**	**0.00**
Item.No. 28	Supply and Fixing of Tai Chi Spinners . Metal: All tubular steel of 2.Smm thicknp<.s are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are sc;illoped as necessa ry and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the w eldin points prior to finishing. All metal parts are powder coated using AKZO Nobel G reat Wall powder to the thickness of 80- 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to JS07227 to speeu up corrosion for 3000 hrs. Colour RAL 5019 Blue and RAL 1014 Beige Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance -free ball bearings. Scope of delivery: 1completely pre-assembled equipment modules. Maintena nce:Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUY, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. Thecertificates must be attached with the tender document . All products must clearly -display the GS mark as has been issued in the EN15630 safety certificates. Size_ L x W x H): 1120 x 1150 x 1620 mm. Weight: 39 Kg Safety Area: 3520 x 3550 mm Capacity_3 Persons.										
	Quantity vide first RA bill							**1.00**	**Unit**		
	Total Quantity							**1.00**	**Unit**		
	Deduct paid Quantity							**1.00**	**Unit**		
	Quantity to be paid							**0.00**	**Unit**	**127650.00**	**0.00**

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Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92
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SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	Unit	Rate in Rs.	Amount in Rs.
Item.No. 29	Supply and fixing of Twist Stepper. Metal: All tubular steel of 2.Smrn thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are sca lloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-GreatWall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to IS07227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings.Scope of delivery: 1completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark.The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV ,CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates . Size_ L x W x H): 1395 x 650 x1750 mm. Weight: 53.8 Kg Safety Area.: 3795 x 3050 mm Capacity_2 Persons.										
	Quantity vide first RA bill							**1.00**	**Unit**		
	Total Quantity							**1.00**	**Unit**		
	Deduct paid Quantity							**1.00**	**Unit**		
	Quantity to be paid							**0.00**	**Unit**	**199800.00**	**0.00**
Item.No. 30	Supply and fixing of Big Shoulder Wheel. Metal: All tubular steel of 2.Smni l111ckness are galvanized and zinc dipped. Joints are Robotic welded. All welded joint ure scalloped as necessary and welded to an approved MIG process. All welds arc' dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the w elding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80- 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to IS07227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles.CV-10 Bearings: Maintenance-free ball bearings. Scope of delivery:1completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to rneet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party.All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. Size_L x W x H): 845 x 810 x 1710 mm. Weight: 34 Kg Safety Area: 3224 x 3376 mm Capacity_2 Persons.										
	Quantity vide first RA bill							**1.00**	**Unit**		
	Total Quantity							**1.00**	**Unit**		
	Deduct paid Quantity							**1.00**	**Unit**		
	Quantity to be paid							**0.00**	**Unit**	**133200.00**	**0.00**
Item.No. 31	Supply and fixing of HD Health Walker. Metal: All tubular steel of 2.Smm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joint s arescalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a S% NaCl solution in accordance to IS07227 to speed up corrosion for 3000 hrs. Colour RAL 5019 Blue and RAL 1014 Beige Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bea rings.11 Scope of delivery: 1completely pre-assembled equipment modules. Maintenance: Maintain according to EQ_and the maintenance guide.Safety: All productsmust be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS oniy. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. The certificates must be attached with the tender document . All products must clearly display the GS mark as has been issued in the EN16630 safety certificates .Sizelx W xH): 1065 x 61S x 1364 mm.Weight: 51Kg. Safety Area: 4090 • 3555mm. Capacity 1 Person										
	Quantity vide first RA bill							**1.00**	**Unit**		
	Total Quantity							**1.00**	**Unit**		
	Deduct paid Quantity							**1.00**	**Unit**		
	Quantity to be paid							**0.00**	**Unit**	**155400.00**	**0.00**

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Yelahanka Zone
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SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	Unit	Rate in Rs.	Amount in Rs.
Item.No. 32	Supply. and Fixing of HD Sit Up Station. Metal: All tubular steel of 2.Smm thick1ll".5 are galvanized and z inc dipped.Joints are Robotic welded. All welded joints are scalloped as necessa ry and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is appiied at a ll the weldint1 points prior to fini shing. All metal parts are powder coated using AKZO Nobel-Grca t Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to IS07227 to speed up corrosion for 3000 hrs. Rubber: High qualiry grip rubber is used for the handle.12 Bearings: Maintenance-free ball bearings.Scope of delivery :1completely pre- each 1 125000 125000 131188 131188 134500 134500 assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark.The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA,TUV ,CPSC, or SGS only. The GS Mark-EN16630 Certificates must be in the name of tendering party and not any 3rd party..All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. Size_L x W x H): 1412 x 1366 x 650 mm. Weight: 42 .6 Kg Safety Area:4462 x 4078 mm Capacity_2 Persons.										
	Quantity vide first RA bill							**1.00**	**Unit**		
	Total Quantity							**1.00**	**Unit**		
	Deduct paid Quantity							**1.00**	**Unit**		
	Quantity to be paid							**0.00**	**Unit**	**138750.00**	**0.00**
Item.No. 33	Supply and fixing of HD Squat Pushing. Metal:All tub.ular steel of 2.Smm1hicknos are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are sca lloped as necessary: and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing . All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our sa lt spray machine that uses a 5% NaCl solution in accordance to IS07227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles 13 Bearings: Maintenance-free ball bearings.Scope of delivery: 1completely pre-assembled equipment modules.Maintenance: Maintain according to EN 16630 andthe maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS only .The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party.All products must clearly display the GS ma rk as has been issued in the EN16630 safety certificates.Sizelx W x H): 2270 x 635 x 1640 mm. Weight: 60.2Kg.Safety Area: 5300 * 3685mm. Capacity 2 Persons										
	Quantity vide first RA bill							**1.00**	**Unit**		
	Total Quantity							**1.00**	**Unit**		
	Deduct paid Quantity							**1.00**	**Unit**		
	Quantity to be paid							**0.00**	**Unit**	**238650.00**	**0.00**
Item.No. 34	Supply and fixing of HD Waist Twister. Metal : All tubular steel of 2.Smm thic k11ess are ga:vanized and zinc dipped. Joints are Robotic welded. All welded joints are scJlloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns.All l metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to IS07227 to speed up rosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. arings : Maintenance-free ball bearings.Scope of delivery: 1completely pre-assembled equipment modules. Maintenance : Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA,TUV, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. Size_L x W x H):1460 x 1310 x USO mm. Weight: 39.l Kg Safety Area : 4360 x 4510 mm Capacity_3 Persons.										
	Quantity vide first RA bill							**1.00**	**Unit**		
	Total Quantity							**1.00**	**Unit**		
	Deduct paid Quantity							**1.00**	**Unit**		
	Quantity to be paid							**0.00**	**Unit**	**144300.00**	**0.00**

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SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	Unit	Rate in Rs.	Amount in Rs.
Item.No. 35	Supply and Fixing of HD.Mini Ski. Metal:All tubular steel of 2 .Smm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed offremoving all sha rp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing.All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to 1507227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1completely pre-assembled equipment modules. Maintenan(;:e :Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meetEN16630 safety standards with GS test mark.The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV,CPSC, or SGS only.The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party.All products must clearly display the GS mark as has been issued in the EN16630 safety certificates.Size_L x W x H): 1214 x 900 x1347 mm. Weight: 45 Kg Safety Area : 4214 x 3900 mm Capacity_2 Persons.										
	Quantity vide first RA bill							**1.00**	**Unit**		
	Total Quantity							**1.00**	**Unit**		
	Deduct paid Quantity							**1.00**	**Unit**		
	Quantity to be paid							**0.00**	**Unit**	**177600.00**	**0.00**
Item.No. 36	Supply and fixing of HD Double Health Walker. Metal: All tubular steel of 2.50mm thickness are galvanized and zinc dipped. Joints are Robotic welded . All welded joints are scalloped as necessary and welded to an approved MIG process. All welds a re dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied ut all the welding points prior to finishing. All metal parts are powder coated using AK ZO Nobel Great Wall powder to the thickness of 80-120 microns. All metal parts are test ed in our salt spray machine that uses a 5% NaCl solution in accordance to 1507227 to peed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the tlandles. Bearings: Maintenance-free ball bearings.Scope of delivery : 1completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must besuch as IPEMA, TUV,issued by a reputed notified international certifying agency CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party.All products must clearly display the GS mark as has been issued in the EN16630 safety certificates.Sizel x W x H): 2015 x 615 x 1360mm .Weight: 93Kg. Safety Area: 5015 • 3015mm. Capacity2 Person										
	Quantity vide first RA bill							**1.00**	**Unit**		
	Total Quantity							**1.00**	**Unit**		
	Deduct paid Quantity							**1.00**	**Unit**		
	Quantity to be paid							**0.00**	**Unit**	**266400.00**	**0.00**
Item.No. 37	Providing and fixing granite benches as per design, specification and fixing as per the directions of the engineer in charge.										
	Quantity vide first RA bill							**0.00**	**Sqm**		
	For Chairs at CQAL & Sahakarinagar Park										
			22					22.00			
	Total Quantity							**22.00**	**Sqm**		
	Quantity up to 125%							**12.00**	**Sqm**		
	Deduct paid Quantity							**0.00**	Sqm		
	Quantity to be paid up to 125%							**12.00**	**Sqm**	**11710.50**	**140526.00**
	Quantity to be paid Beyond 125%							**10.00**	Sqm	**11710.50**	**117105.00**

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SLNO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	Unit	Rate in Rs.	Amount in Rs.
Item.No. 38	MANUFACTURING:-PROVIDING AND FIXING A GAZEBO os Size 22 feet dia approximate) made of MS Round pipe of 6 inches diameter of 12 SWG for pillars 10feet in height,in which 8ft will be above the ground level and 2 feet embedded in cement concrete and provided with MS plate on top of the pillars.MS I section 100x50mm of heavy gauge for Rafters)is placed between the poles on top of the flush plate.Also MS rectangular tubes of 100x40mm are to be mounted vertically on all 8pillars.MS rectangular tubes of 40x20mm reepers are welded horizontally in between the rectangle tubes for a distance of 1 feet approximately so as to get the desired octangol Shape for fixing approved qualoity Corrugated Managlore tiles on the roof 2 layers as per the design. Flat design tiles and rigid tiles are to be provided on Existing reepers and pointed with cement mortar.The Gazebo is to be fixed ob asuitable platform the central height being 15 to 16 feet and including allround bed Concrete 1:4:8 and tampered with fine red earth with cement slurry.the works includes earthwork excavation concreteing,masonry work and cost of all materials labour equipments machinery with all lead and lift loading and unloading etc complete including two coats of approved quality special spray paint over of primer and excecuting the work as per the directions of the engineer in charge.										
							Quantity vide first RA bill	0.00	Unit		
	Gazebo at CQ4L & Sahakarinagar Park										
		2						2.00			
							Total Quantity	2.00	Unit		
							Deduct paid Quantity	0.00	Unit		
							Quantity to be paid	2.00	Unit	430596.75	861193.50
Item.No. EIRL-1	Supply and fixing of childern Multi Play Equipment with swing and toddler and tubular slide with animated roof upright structural posts of height 2.2m, 2.6m and 3.0m are to be schedule HOT DIP Galvanized steel with a 114mm OD and 2.2mm wall thickness of the tubing. The finished products must have following characteristice.Deck of size 1.45 x 1.45m and Staircase of size 1.05 m x 0.77 m are fabricated from 2mm perforated solid punched steel. Deck perimeter is precision pre punched for attachments. Handrail of height 1.90m and dia 32 mm shell be all robotic welded unit. Deck of size 1.45 x 1.45m and Staircase of size 1.05 m x 0.77 m are fabricated from 2mm perforated solid punched steel. Deck perimeter is precision pre punched for attachments.Sun Roof of size 2.0 m x 1.78 m x 0.77m, Double Slide of size 1940 mm x 1134 mm x 1987 mm, Tube Slide of size 2160 mm x 1042 mm x 2300 mm, Shrimp Slide of size 1635 mm x 1007 mm x 1888 mm Panels. Roofs and panels are copyrighted and IP protected worldwide. Top rails Of Swing of size 2.2 m x 1.14 m are all robotic welded systems, fabricated from 114 O.D. and thickness of 2.2 mm galvanized steel pipes with a baked on powder coat finish. The rates are to be inclusive of supply and installation at site.Includng floor is Spreaded with Sand, Inclusive of All Taxes and Transportation Charges										
							Quantity vide first RA bill	0.00	Each		
	Qty Vide Pre measurement sheet page no:										
							Total Quantity	1.00	Each		
							Deduct paid Quantity	0.00	Each		
							Quantity to be paid	1.00	Each	1067492.00	1067492.00
Item.No. EIRL-2	0334 Sand/ Artificial Sand/ Manufactured Sand										
							Quantity vide first RA bill	0.00	Cum		
	For Children Play Equipment										
			1	11.00	10.50	9.50	10.00	0.30	33.00		
							Total Quantity	33.00	Cum		
							Deduct paid Quantity	0.00	Cum		
							Quantity to be paid	33.00	Cum	1887.00	62271.00
Item.No. EIRL-3	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials,										
							Quantity vide first RA bill	0.00	Sqm		
	Qty Vide Pre measurement sheet page no: (16)										
							Total Quantity	92.64	Sqm		
							Deduct paid Quantity	0.00	Sqm		
							Quantity to be paid	92.64	Sqm	351.25	32539.80

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SL/NO	CHAINAGE / Land Mark	NO	L (m)	B1 (m)	B2 (m)	Avg B (m)	Avg D (m)	QTY	Unit	Rate in Rs.	Amount in Rs.
Item.No: EIRL-4	Removing & Refixing stone slabs of drains and pointing in C.M (1:3)										
							Quantity vide first RA bill	0.00	Sqm		
	Qty: Vide Pre measurement sheet page no: (17)						Total Quantity	366.12	Sqm		
							Deduct paid Quantity	0.00	Sqm		
							Quantity to be paid	366.12	Sqm	91.11	33357.19
Item.No: EIRL-5	Providing precast slab of 100mm thick including cost of all aterials, labour, curing,transportation,loading unloading,etc.,complete as per the direction of engineer										
							Quantity vide first RA bill	0.00	Sqm		
	Cqal park										
	For Covering Slab										
	208.30	215.80	1	7.50			0.900	6.75			
	215.80	219.30	1	3.50			0.900	3.15			
	219.30	224.50	1	5.20			0.900	4.68			
	224.50	249.50	1	25.00			0.900	22.50			
	249.50	252.20	1	2.70			0.900	2.43			
	252.20	266.70	1	14.50			0.900	13.05			
	266.70	272.30	1	5.60			0.900	5.04			
	272.30	285.60	1	13.30			0.900	11.97			
	285.60	290.10	1	4.50			0.900	4.05			
	290.10	294.10	1	4.00			0.900	3.60			
	294.10	299.10	1	5.00			0.900	4.50			
	299.10	302.70	1	3.60			0.900	3.24			
	302.70	332.70	1	30.00			0.900	27.00			
	332.70	362.70	1	30.00			0.900	27.00			
	362.70	389.70	1	27.00			0.900	24.30			
	389.70	411.70	1	22.00			0.900	19.80			
							Total Quantity	183.06	Sqm		
							Deduct paid Quantity	0.00	Sqm		
							Quantity to be paid	183.06	Sqm	2337.00	427811.22
										Total Amount	7466320.56

Executive Engineer
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Yelahanka Zone
BBMP, Bangalore-92

Chd. & fe.

Executive Engineer
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Contractor Representative

Consultant Representative

Asst.Engineer
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31/12/2020

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BBMP, Bangalore - 92